

Contact insert - VC-TFS 4-PEA - 1607467

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Contact insert with integrated sleeve frame, type VC 2, 3-pos. + PE, 690 V / 70 A

Product Features

- Compact design
- Universal connection
- Proven COMBICON technology
- Can be keyed to prevent incorrect connection



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
GTIN	 4 017918 969110
Weight per Piece (excluding packing)	48.36 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Note	Connectors may only be connected/disconnected when under no load.
Connection method	Screw connection
	Screw connection
Tightening torque	1.2 Nm ... 1.8 Nm
Degree of pollution	3
Overvoltage category	III
Number of positions	3+PE

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Technical data

General

Insertion/withdrawal cycles	≥ 50
Size	VC2
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm ²
Conductor cross section	0.5 mm ² ... 16 mm ²
Connection cross section AWG	20 ... 6
Stripping length of the individual wire	14 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C
	when the conductor is connected

Material data

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	hard-silver plated
Contact carrier material	PA

Electrical characteristics

Rated voltage (III/3)	690 V
Rated surge voltage	6 kV
	6 kV
Rated current	70 A
	70 A

Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Contact insert - VC-TFS 4-PEA - 1607467

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Contact insert - VC-TFS 4-PEA - 1607467

Approvals

UL Recognized	
mm ² /AWG/kcmil	20-6
Nominal current I _N	55 A
Nominal voltage U _N	600 V

cUL Recognized	
mm ² /AWG/kcmil	20-6
Nominal current I _N	45 A
Nominal voltage U _N	600 V

EAC

EAC

EAC

cULus Recognized	
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Drawings

Dimensional drawing



